



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of

Applicants : Carlo Waldried et al.
Serial No. : 10/627,894
Filed : July 24, 2003
Title : FLUORINE-FREE PLASMA CURING PROCESS FOR POROUS LOW-K
MATERIALS
Docket : AXD 0001 I3/31126.3

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Attorney - Brian L. Smiler Reg. No. 46,458

Sir:

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UNDER 37 CFR §§ 1.56, 1.97, AND 1.98

Applicants submit herewith patents, publications, and other information of which they are aware, which they believe may be material, as defined in 37 CFR §1.56(b), to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended to, pursuant to 37 CFR §1.97(h), constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR §1.97(g), the filing of this Statement should not be construed as a statement that a search has been made or that no other material information exists.

This Information Disclosure Statement is being filed within the period set forth in 37 CFR §1.97(b) because it is believed to be filed before the mailing date of a first office action on the merits.

Serial No. 10/627,894
Docket No. AXD 0001 I3/31126.3

The Office has waived the requirement pursuant to 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. Therefore, no copies of each cited U.S. patent and each cited U.S. patent application publication are enclosed, but the cited U.S. patents and the cited U.S. patent application publications are listed on PTO/SB/08A and PTO/SB/08B.

Respectfully submitted,
DINSMORE & SHOHL LLP

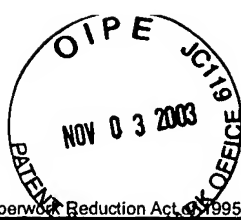
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STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/627,894
Filing Date	July 24, 2003
First Named Inventor	Carlo Waldfried
Art Unit	
Examiner Name	
Attorney Docket Number	AXD 0001 13/31126.3

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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,615,272	10/26/1971	Collins et al.	
		US- 4,636,440	01/13/1987	Sivananda S. Jada	
		US- 4,749,631	06/07/1988	Haluska et al.	
		US- 4,756,977	07/12/1988	Haluska et al.	
		US- 4,808,653	02/28/1989	Haluska et al.	
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		US- 5,063,267	11/05/1991	Hanneman et al.	
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		US- 5,210,160	05/11/1993	Saive et al.	
		US- 5,234,556	08/10/1993	Oishi et al.	
		US- 5,262,201	11/16/1993	Chandra et al.	
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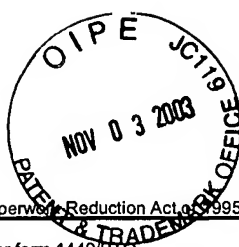
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 60-086017A	05/15/1985	Fujitsu Ltd.		
		EP 1189267	03/20/2002	Ulvac, Inc.		
		EP 1037275	09/20/2000	Canon Sales Co. Inc.		
		WO 0170628	09/27/2001	Dow Corning/Axcelis		

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		Number-Kind Code ² (if known)			
		US- 5,547,703	08/20/1996	Camilletti et al.	
		US- 5,618,878	04/08/1997	Syktich et al.	
		US- 5,853,808	12/29/1998	Arkles et al.	
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		US- 5,879,744	03/09/1999	Cao et al.	
		US-			
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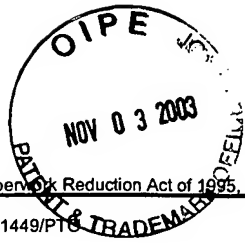
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GLASSER ET AL., EFFECT OF THE H2O/TEOS RATIO UPON THE PREPARATION AND NITRIDATION OF SILICA SOL/GEL FILMS, Journal of Non-Crystalline Solids, 1984, 13pgs., Vol. 63, Elsevier Science Publishers B.V., North-Holland, Amsterdam	
		HAN Q. ET AL., "Ultra Low-K Porous Silicon Dioxide Films from A Plasma Process", Proceedings of the IEEE, International Interconnect Technology Conference, 4 June 2001, pgs. 171-173	
		KIM J-J ET AL., "The Effects of Plasma Treatment on SiO2 Aerogel Film Using Various Reactive (O2, H2, N2) and Non-Reactive (He, Ar) Gases", Thin Solid Films, Elsevier-Sequoia S.A. Lausanne, CH, Vol. 377-378, 1 December 2000, pgs. 525-529	
		Abstract for JP 59-178749A to Takeda (Fujitsu), 10/11/1984	
		Abstract for JP 63-107122A to Fukuyama et al. (Fujitsu) 05/12/1988	

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